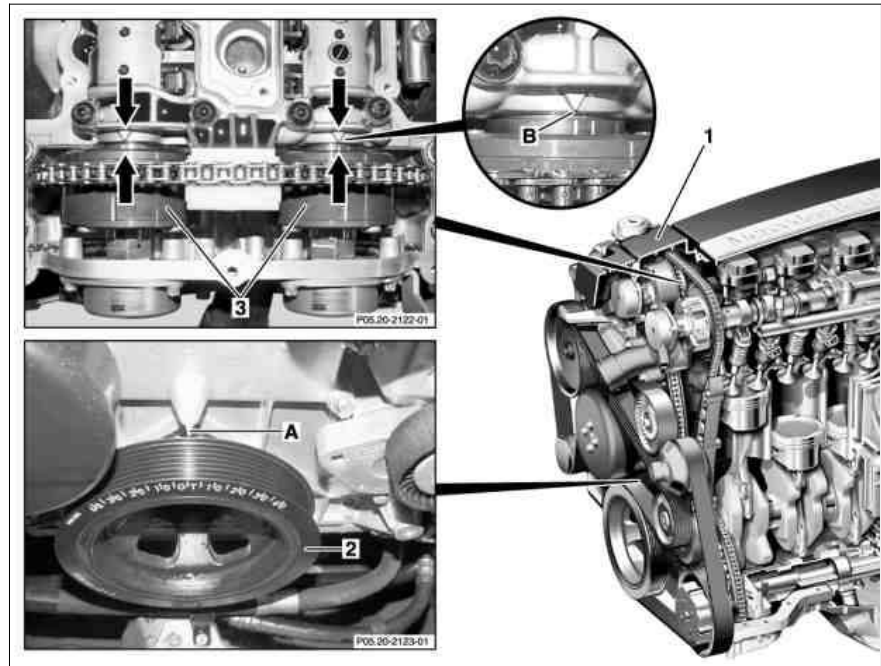


Engine 271 in model 172, 204, 207, 212

Shown on engine 271.9

- 1 Cylinder head cover
- 2 Belt pulley/vibration damper
- 3 Camshaft positioner
- A Positioning edge
- B Marking



P05.20-2121-06





P05.20-2125-01

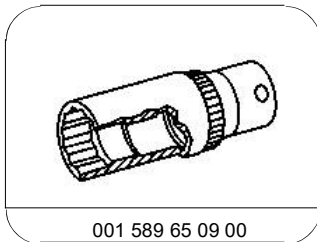
4 Holding device



P05.20-2124-01

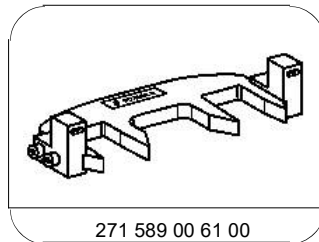
	Remove		
1	Remove front cover at cylinder head		AR01.30-P-5700CW
2	Crank engine at center bolt for the crankshaft in direction of rotation until piston for cylinder 1 is standing at the TDC marking	<p>i The TDC marking on belt pulley/vibration damper (2) must be aligned with positioning edge (A) on timing case cover.</p> <p>i The cams of the inlet and exhaust camshaft at cylinder 1 must be positioned upright at an angle (arrows, picture 2).</p> <p> Socket wrench bit</p>	*001589650900
3.1	Release timing chain	Engine 271.9 in model 204, 212	AR05.10-P-7605-01TK *271589003100
3.2	Remove chain tensioner	Engine 271.8 in model 172, 204, 207, 212	AR05.10-P-7800EVO AR05.20-P-7201CW
4	Remove camshaft positioner (3)	<p>i Secure timing chain to prevent it from falling down.</p>	

5	Mount retainer(4)	<p>i The camshaft is brought into the basic position in the process.</p> <p>S Retaining device</p>	*271589006100
⊠	Install		
6	Install camshaft positioner (3)	<p>i The markings on camshaft adjusters (3) must be aligned with markings (B) at camshaft bearing housing (arrows, picture 1). The TDC marking on belt pulley/vibration damper (2) must be aligned with positioning edge (A) on timing case cover.</p> <p>i The camshaft adjusters (3) require no particular adjustment, as they automatically take on a basic position to the camshafts when engine is vertical.</p>	AR05.20-P-7201CW
7.1	Tension timing chain	<p>Engine 271.9 in model 204, 212</p> <p>i For this step take wedge out of timing case and slacken tensioning rail.</p> <p>S Key</p>	AR05.10-P-7605-01TK *271589003100
7.2	Install chain tensioner	<p>Engine 271.8</p> <p>i Replace chain tensioner.</p>	AR05.10-P-7800EVO
8	Detach retainer(4)	S Retaining device	*271589006100
9	Rotate crankshaft through two revolutions in direction of rotation of engine and once again check basic position of camshafts	i The markings on camshaft adjusters (3) must be aligned with markings (B) at camshaft bearing housing (arrows, picture 1). The TDC marking on belt pulley/vibration damper (2) must be aligned with positioning edge (A) on timing case cover.	
10	Install front cover at cylinder head		AR01.30-P-5700CW
11	<p>Risk of accident from vehicle starting off by itself when engine running. Risk of injury (bruises and burns) resulting from working on the engine while it is being started or when it is running.</p> <p>Carry out an engine test run, checking the engine for proper operation and leaktightness</p>	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A



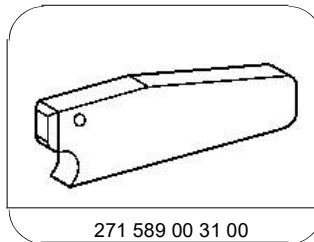
001 589 65 09 00

Socket wrench bit



271 589 00 61 00

Retaining device



271 589 00 31 00

Key